IN THE ABSTRACT:

Please cancel the Abstract in its entirety and substitute the following new Abstract:

--ABSTRACT

A router machine (15) is configured to implement a method according to the invention for reducing congestion in its network layer (16) when it accumulates in a queue (20) datagrams (12) to be transmitted through a network (18). The method comprises a first step (29) that measures a fullness level of queue (20), in order to generate a signal (NIV) based on fullness level. A second step (30) detects any datagram received from network (18), wherein a field (28) of a transport layer (6) contains a received window value (VFR). A third step (31) generates a sent window value (VFE) based on signal (NIV) in order to process the detected datagram by entering value (VFE) into said received window value (VFR) in field (28). A fourth step (32) routes the processed datagram through a network (17) to a transport layer (4), which limits its send rate based on the sent window value (VFE).--